

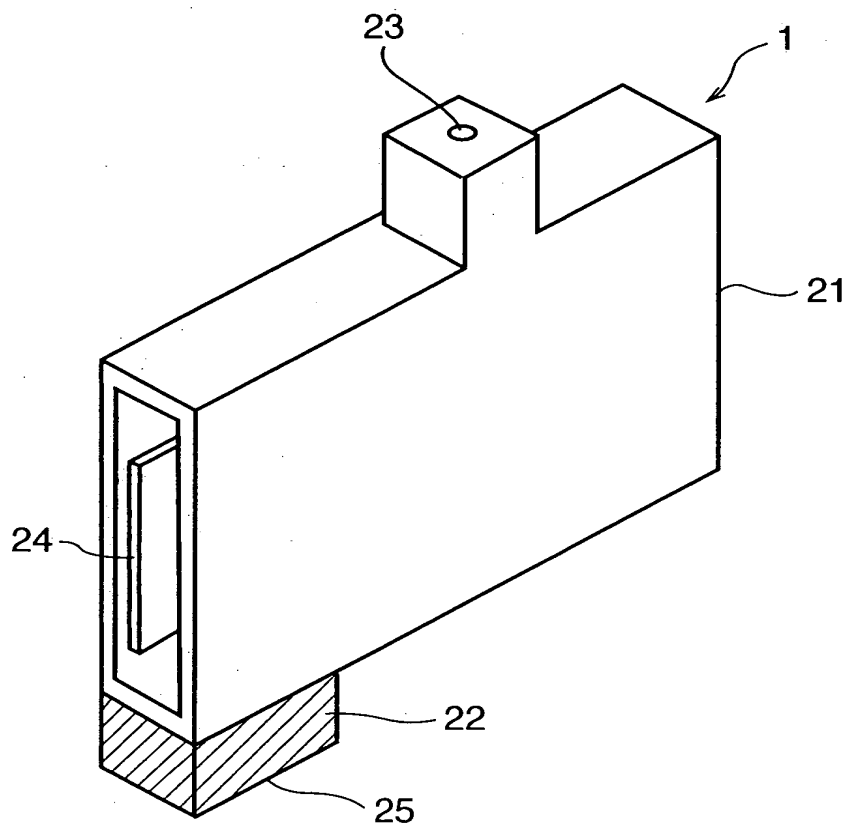
FIG. 2

FIG. 3A

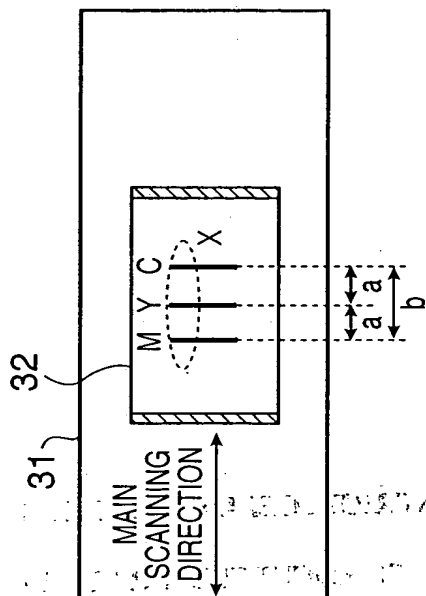


FIG. 3B

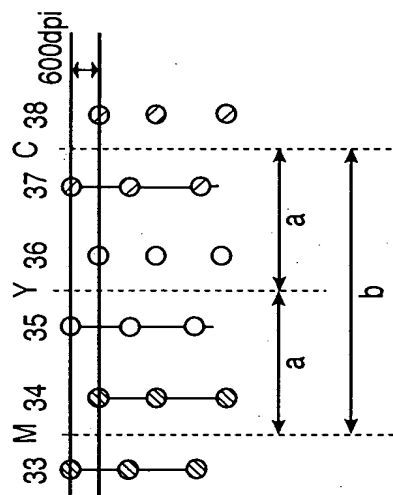


FIG. 3C

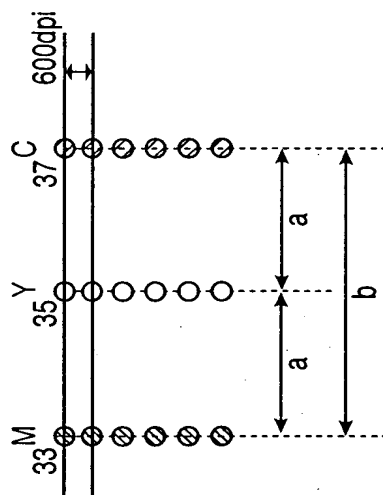


FIG. 5

WIPING EXECUTION THRESHOLD	PRINTED IMAGE	ERROR		
		PRINTING DISTORTION	PRINTING OMISSION (NON-DISCHARGE)	WIPING COUNT
Cyan Magenta Yellow UNIFORMLY 31680000 DOTS	Cyan SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	Magenta SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	Yellow SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	Red SOLID IMAGE	8 IMAGES/10 IMAGES	5 IMAGES/10 IMAGES	10 TIMES
	Green SOLID IMAGE	8 IMAGES/10 IMAGES	6 IMAGES/10 IMAGES	10 TIMES
	Blue SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	TOTAL	16 IMAGES/60 IMAGES	11 IMAGES/60 IMAGES	60 TIMES
Cyan Magenta Yellow UNIFORMLY 15840000 DOTS	Cyan SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Magenta SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Yellow SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Red SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Green SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Blue SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	TOTAL	0 IMAGES/60 IMAGES	0 IMAGES/60 IMAGES	120 TIMES
Cyan : 31680000 DOTS Magenta : 31680000 DOTS Yellow : 15840000 DOTS	Cyan SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	Magenta SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	Yellow SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Red SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Green SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Blue SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	TOTAL	0 IMAGES/60 IMAGES	0 IMAGES/60 IMAGES	90 TIMES

FIG. 6A

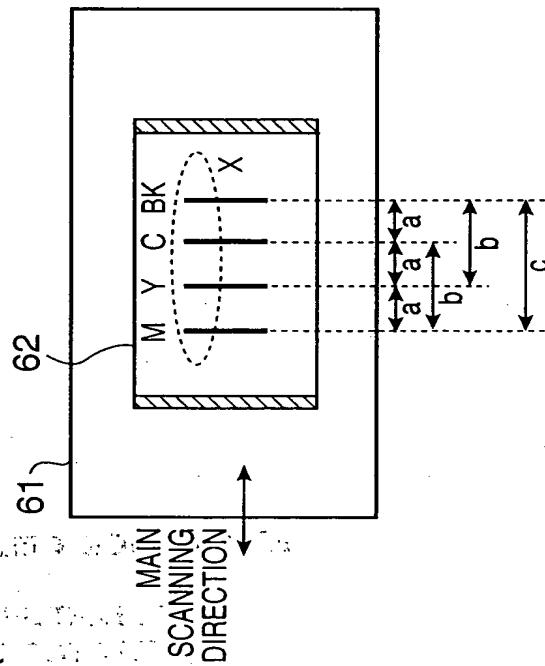
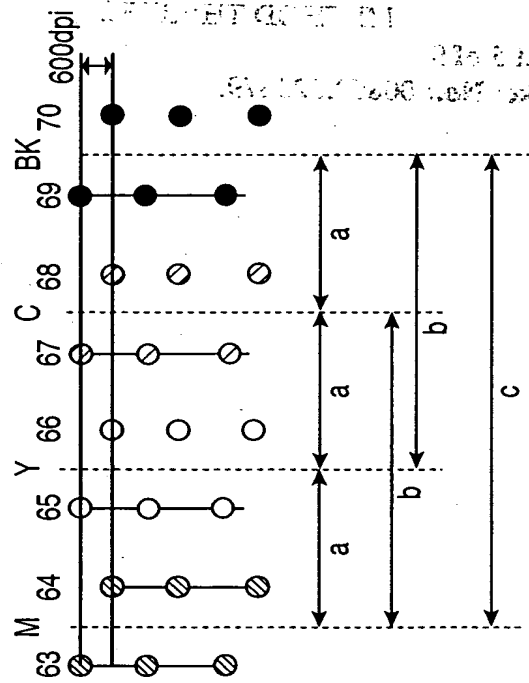


FIG. 6B



MAINTENANCE
SUBSISTENCE
IC

FIG. 7

	CLEANING EXECUTION VALUE
YELLOW, CYAN (CENTER)	15840000 DOTS
MAGENTA, BLACK (OUTERMOST)	31680000 DOTS

FIG. 8

	ARITHMETIC PROCESSING FOR DISCHARGED DOT COUNT
YELLOW (CENTER)	$D_{in} \times 2$
MAGENTA, CYAN (OUTERMOST)	$D_{out} \times 1$

WIPING EXECUTION VALUE : 31680000 DOTS

FIG. 9

WEIGHTING PROCESSING FOR DISCHARGED DOT COUNT OF EACH ORIFICE GROUP (WIPING EXECUTION THRESHOLD: UNIFORMLY 31680000 DOTS)	PRINTED IMAGE	ERROR		
		PRINTING DISTORTION	PRINTING OMISSION (NON-DISCHARGE)	WIPING COUNT
Cyan : DISCHARGED DOT COUNT × 1 Magenta : DISCHARGED DOT COUNT × 1 Yellow : DISCHARGED DOT COUNT × 1	Cyan SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	Magenta SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	Yellow SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	Red SOLID IMAGE	8 IMAGES/10 IMAGES	5 IMAGES/10 IMAGES	10 TIMES
	Green SOLID IMAGE	8 IMAGES/10 IMAGES	6 IMAGES/10 IMAGES	10 TIMES
	Blue SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	TOTAL	16 IMAGES/60 IMAGES	11 IMAGES/60 IMAGES	60 TIMES
Cyan : DISCHARGED DOT COUNT × 2 Magenta : DISCHARGED DOT COUNT × 2 Yellow : DISCHARGED DOT COUNT × 2	Cyan SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Magenta SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Yellow SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Red SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Green SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Blue SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	TOTAL	0 IMAGES/60 IMAGES	0 IMAGES/60 IMAGES	120 TIMES
Cyan : DISCHARGED DOT COUNT × 1 Magenta : DISCHARGED DOT COUNT × 1 Yellow : DISCHARGED DOT COUNT × 2	Cyan SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	Magenta SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	Yellow SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Red SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Green SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	20 TIMES
	Blue SOLID IMAGE	0 IMAGE/10 IMAGES	0 IMAGE/10 IMAGES	10 TIMES
	TOTAL	0 IMAGES/60 IMAGES	0 IMAGES/60 IMAGES	90 TIMES